



#8/C

SUBSTITUTE SEQUENCE LISTING

<110> GVS Gesellschaft Fur Erwerb und Verwertung von Schutzrechten-GVS mbH and  
Forschungszentrum Borstel  
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Heinz, Ernst  
Zahringer, Ulrich

#8/C

<120> Processive Sugar Transferase

<130> MAIWAM2.001CP1

<140> US 09/668,788

<141> 2000-09-22

<150> PCT/DE99/00857

<151> 1999-03-25

<150> DE 198 13 017.1

<151> 1998-03-25

<150> DE 198 19 958.9

<151> 1998-05-05

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<170> FastSEQ for Windows Version 4.0

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<212> DNA

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35 40 45  
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Gly Glu Leu Val Asp Glu His Gln Pro Asp Ile Ile Ile Asn Thr Phe  
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115 120 125  
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His Glu Asn Val Asp Lys Tyr Tyr Val Ala Thr Asp Tyr Val Lys Glu  
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Lys Leu Leu Glu Ile Gly Thr His Pro Ser Asn Val Lys Ile Thr Gly  
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Ile Pro Ile Arg Pro Gln Phe Glu Glu Ser Met Pro Val Gly Pro Ile  
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Tyr Lys Lys Tyr Asn Leu Ser Pro Asn Lys Lys Val Leu Leu Ile Met  
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225 230 235 240  
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 Met Asn Leu Asp His Leu Ser Val Ile Glu His Asp Leu Phe Met Glu  
 35 40 45  
 Ala His Pro Ile Leu Thr Ser Ile Cys Lys Lys Trp Tyr Ile Asn Ser  
 50 55 60  
 Phe Lys Tyr Phe Arg Asn Met Tyr Lys Gly Phe Tyr Tyr Ser Arg Pro  
 65 70 75 80  
 Asp Lys Leu Asp Lys Cys Phe Tyr Lys Tyr Tyr Gly Leu Asn Lys Leu  
 85 90 95  
 Ile Asn Leu Leu Ile Lys Glu Lys Pro Asp Leu Ile Leu Leu Thr Phe  
 100 105 110  
 Pro Thr Pro Val Met Ser Val Leu Thr Glu Gln Phe Asn Ile Asn Ile  
 115 120 125  
 Pro Val Ala Thr Val Met Thr Asp Tyr Arg Leu His Lys Asn Trp Ile  
 130 135 140  
 Thr Pro Tyr Ser Thr Arg Tyr Tyr Val Ala Thr Lys Glu Thr Lys Gln  
 145 150 155 160  
 Asp Phe Ile Asp Val Gly Ile Asp Pro Ser Thr Val Lys Val Thr Gly  
 165 170 175  
 Ile Pro Ile Asp Asn Lys Phe Glu Thr Pro Ile Asn Gln Lys Gln Trp  
 180 185 190  
 Leu Ile Asp Asn Asn Leu Asp Pro Asp Lys Gln Thr Ile Leu Met Ser  
 195 200 205

Ala Gly Ala Phe Gly Val Ser Lys Gly Phe Asp Thr Met Ile Thr Asp  
 210 215 220  
 Ile Leu Ala Lys Ser Ala Asn Ala Gln Val Val Met Ile Cys Gly Lys  
 225 230 235 240  
 Ser Lys Glu Leu Lys Arg Ser Leu Thr Ala Lys Phe Lys Leu Thr Arg  
 245 250 255  
 Met Tyr Leu Ile Leu Gly Tyr Thr Lys His Met Asn Glu Trp Met Ala  
 260 265 270  
 Ser Ser Gln Leu Met Ile Thr Lys Pro Gly Gly Ile Thr Ile Thr Glu  
 275 280 285  
 Gly Phe Ala Arg Cys Ile Pro Met Ile Phe Leu Asn Pro Ala Pro Gly  
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 Gln Glu Leu Glu Asn Ala Phe Tyr Phe Glu Glu Lys Gly Phe Gly Lys  
 305 310 315 320  
 Ile Ala Asp Thr Pro Glu Glu Ala Ile Lys Ile Val Ala Ser Leu Thr  
 325 330 335  
 Asn Gly Asn Glu Gln Leu Thr Asn Met Ile Ser Thr Met Glu Gln Asp  
 340 345 350  
 Lys Ile Lys Tyr Ala Thr Gln Thr Ile Cys Arg Asp Leu Leu Asp Leu  
 355 360 365  
 Ile Gly His Ser Ser Gln Pro Gln Glu Ile Tyr Gly Lys Val Pro Leu  
 370 375 380  
 Tyr Ala Arg Phe Phe Val Lys  
 385 390